Work Order ID 57821

April 16, 2010 10:46:58 AM



Page 1

Item ID:

D3917-1

Revision ID:

Item Name:

Washer

Start Date:

Required Date: 29/04/2010

16/04/2010 **Start Qty: 30.00 Req'd Qty:** 30.00

Reference:

Approvals:

QC:

Process Plan:

Date:

Date:

Tooling:

0.00

0.00

Accept

SPC (Y/N):

Set Up/

Run Hours

Cust Item ID:

Customer:

Draw

Number

Date:

Start Run

Setup Start

Stop

Stop

Sequence ID/ Work Center ID

Operation Description

Draw Nbr

Revision Nbr

D3917 100

a

Hardinge

Hardinge CNC Lathe Small

Memo

TURN AS PER FOLIO FA873 & DWG

FOLIO REV:

DWG REV: I

DEBURR

110

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

0.00

0.00

Date:

Rev.

Draw Plan

Accept Code Qty

Reject Qty

Number Stamp

Insp.

JL 10/04/18



Lean is...

- Promote customer-orientation rather than resource-orientation (produce for sales not for stock).
- A highly evolved method of managing an organization to improve the productivity, efficiency and quality of its products or services.
- Transforms how the company operates and how employees think about their work. Don't work harder but smarter by transferring your energy from the NVA to the VA activities.
- Has no end (there is no "done").

	WORK ORDER CHANGES								
STEP		PRO	CEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No:	3917-1	PAR #:		NCR	:(Yes	No DQ	A :	Date: _/	W4.20
F	Resolution:Acce	pteel	Disposition:	QA:	N/C C	losed:	炒	Date: _k	0/05/12

NCR: 5	7821	WC	ORK OR	DER NON-CONFORMANCE	(NCR)			
DATE STEP		1 0001101171		Corrective Action Section B Initial Action Description Sign &			Approval Chief Eng	Approval QC Inspector
10/04/20 110 170		when who was being closes to at 21 it was notices that the PAI was near filics ont by either emphres (and crack singles) R.C. Lack of Atlentin		Chief Eng -> Fill Out FAI Sheet correctly -> Q wh's with the same Pho where being worked on it the FAI was supposed to be nettheded, but Congetten. Pronts were measured incorded on this FAI> fewer of on Sob trains Sheet the Implectance of Asia; ensuring that any thing is F. 140 Out wreetly	N/A	1005-12.	posion	8 (0/04/2) /10 01-2
		1.		223				

NOTE: Date & initial all entries

April 16, 2010 10:46:58 AM

Item ID: D3917-1

Revision ID:

Item Name: Washer

Start Date:

16/04/2010

Req'd Qty: 30.00

Start Qty: 30.00

Accept



Setup Start

Stop



Required Date: 29/04/2010 Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Cust Item ID:

Customer:

Draw

Date:

Draw

Run Start

Stop



Sequence ID/ Work Center ID

120

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ **Run Hours**

16.4.19

Number Qty Rev. Code 40

Plan

Accept

Reject Qty

Reject Insp. Stamp

Number

130



Packaging

Identify as per dwg & Stock Location: () 63

Memo

0.00

0.00

(10/4/ Do (40)

140



Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/05/12/4/ MF 10-4-20



Lean principle

To be able to produce exactly:

- what is required
- when it is required
- the quantity required by the next step in the process.

Once a job started, it should ideally never stop

Picklist Print

April 16, 2010 10:46:57 AM

Work Order ID: 57821

Parent Item:

D3917-1

Parent Item Name:

Washer

Comments:

IPP REV:A NEW ISSUE 09-11-26 JLM VERIFIED BY:DD

as per dwg REV.A DD 10.02.22 verified by:EC

Start Date: 16/04/2010

Required Date: 29/04/2010

Start Qty: 30.00

Required Qty: 30.00

Component Item ID/

Item Name

MDELRINR0.750

Replacement Mfg/ Item ID

Purch Purchased

Primary Item Location

No

Last Location Route Seq ID 100

Unit of f

Qty on Measure Hand 66.1700

Remaining Qty Qty To Pick Issued 0.6316

Date Issued

Status

Page 1

Delrin Round Bar 0.75"

Warehouse

Loc Qty

Location

Main Warehouse

MAT050 66.17 112418 34.17 112480 32 Loc Code

=700 Sh 10/04/19



Lean Is...

- "LEAN IS from an operations perspective... a system that cuts costs & inventories rapidly to free cash, which is critical in a slow economy. It also supports growth by improving productivity and quality, reducing lead times and freeing huge amounts of resources.
- Lean aims at reducing (if not eliminating) none value added activities in business processes.
- It's not a project.

DART AEROSPACE LTD	Work Order:	5782/	
Description: Washer	Part Number:	D3917-1	
Inspection Dwg: D3917 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

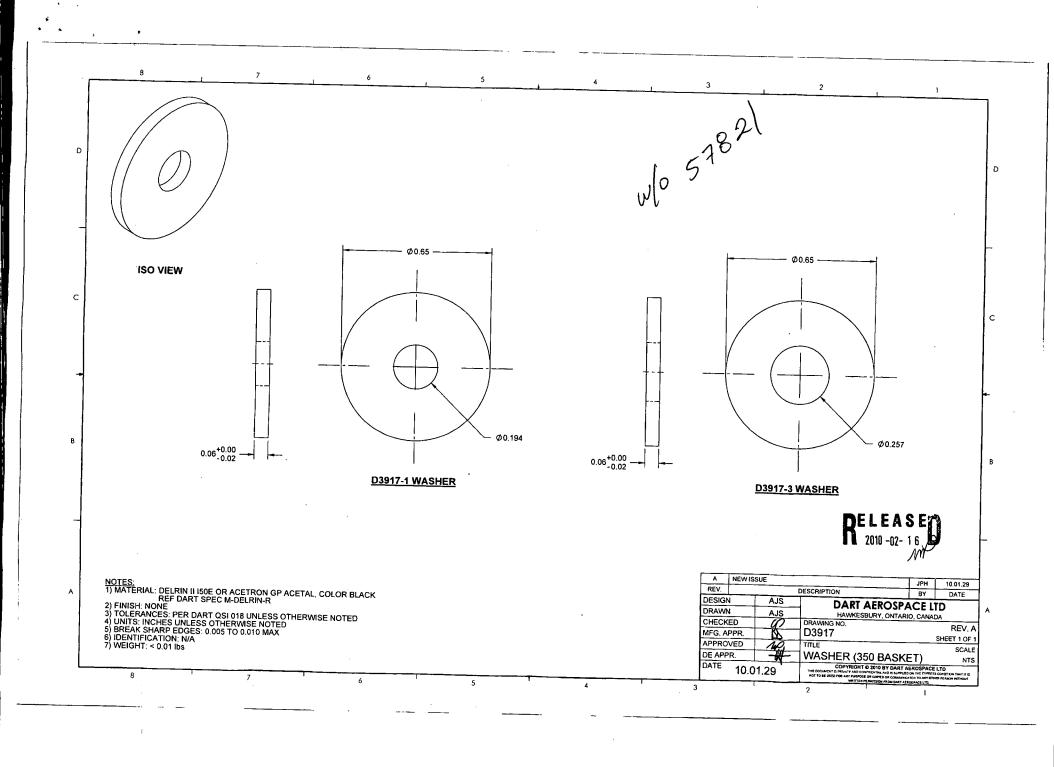
X Fi	irst Article	Prototyp	e
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Drawing . Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Cor	nments
Ø0.65	+/-0.030	.650					
0.06	+0.000/-0.020	-055	/				
Ø0.194	+0.005/-0.001	.195					
							
	-						
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						<u>-</u>	
	<u> </u>						
easured by:	JL, T	Audited by:	uf		Prototype App	roval:	N/A
Date:	10/04/19	Date:	10.4.	19		Date:	N/A
	Change				Revised	by A	Approve
	New Issue				KJ	30	C./n/



Value stream mapping

 Value stream mapping is the best way to identify where the high payoff opportunities are, yet value stream mapping is the lean tool most likely to not be used by companies doing pretend lean!





Lean Is...

"LEAN IS... A mindset, or way of thinking

- A commitment to achieve a totally waste-free operation focused on the customer's success
- Achieved by simplifying and continuously improving all processes and relationships in an environment of trust, respect and full employee involvement
- It is about people, simplicity, flow, visibility, partnerships and true value as perceived by the customer."